

Figure 1A (1V; antiparallel PNA probe)

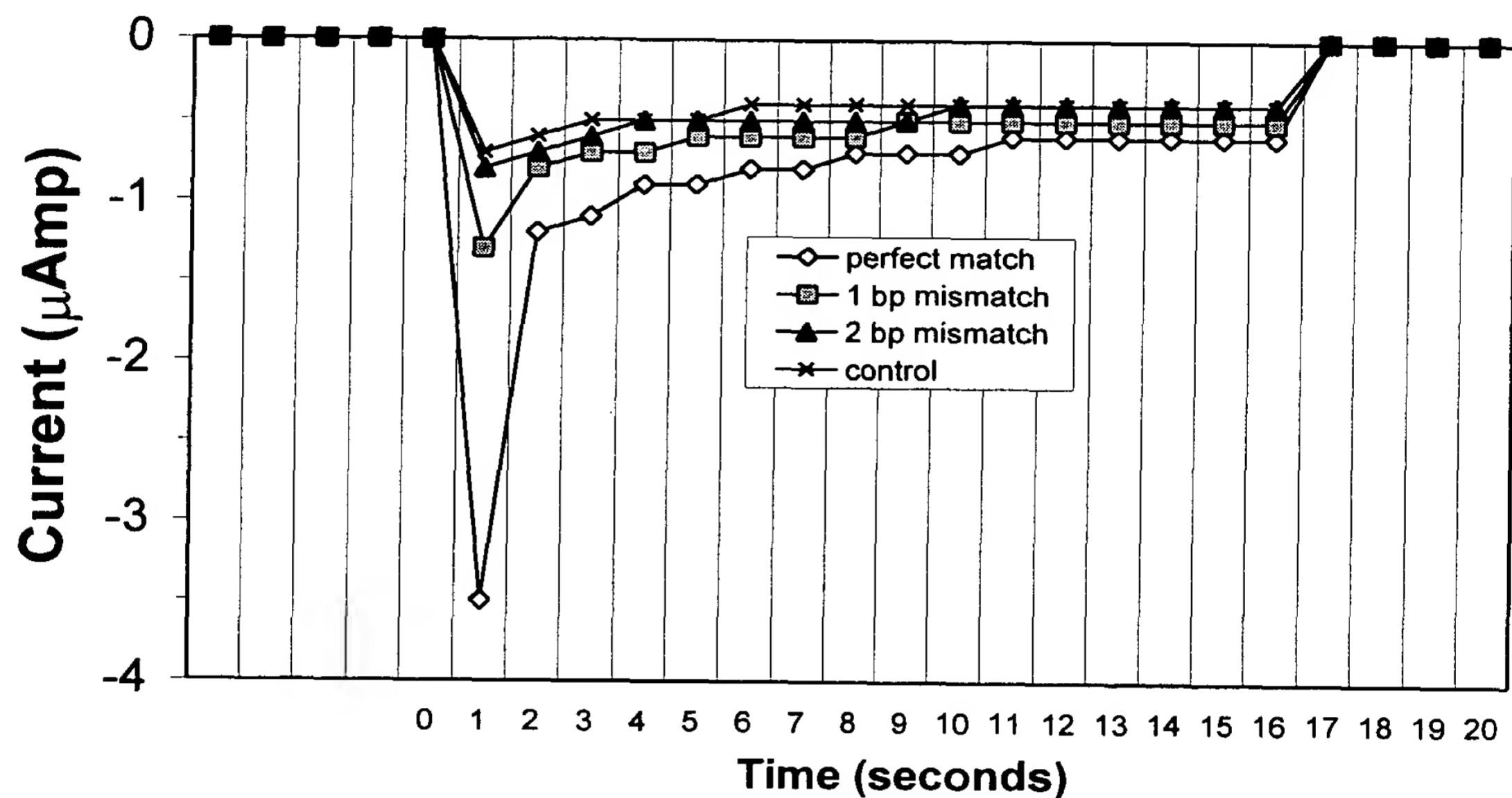


Figure 1B (5V; antiparallel PNA probe)

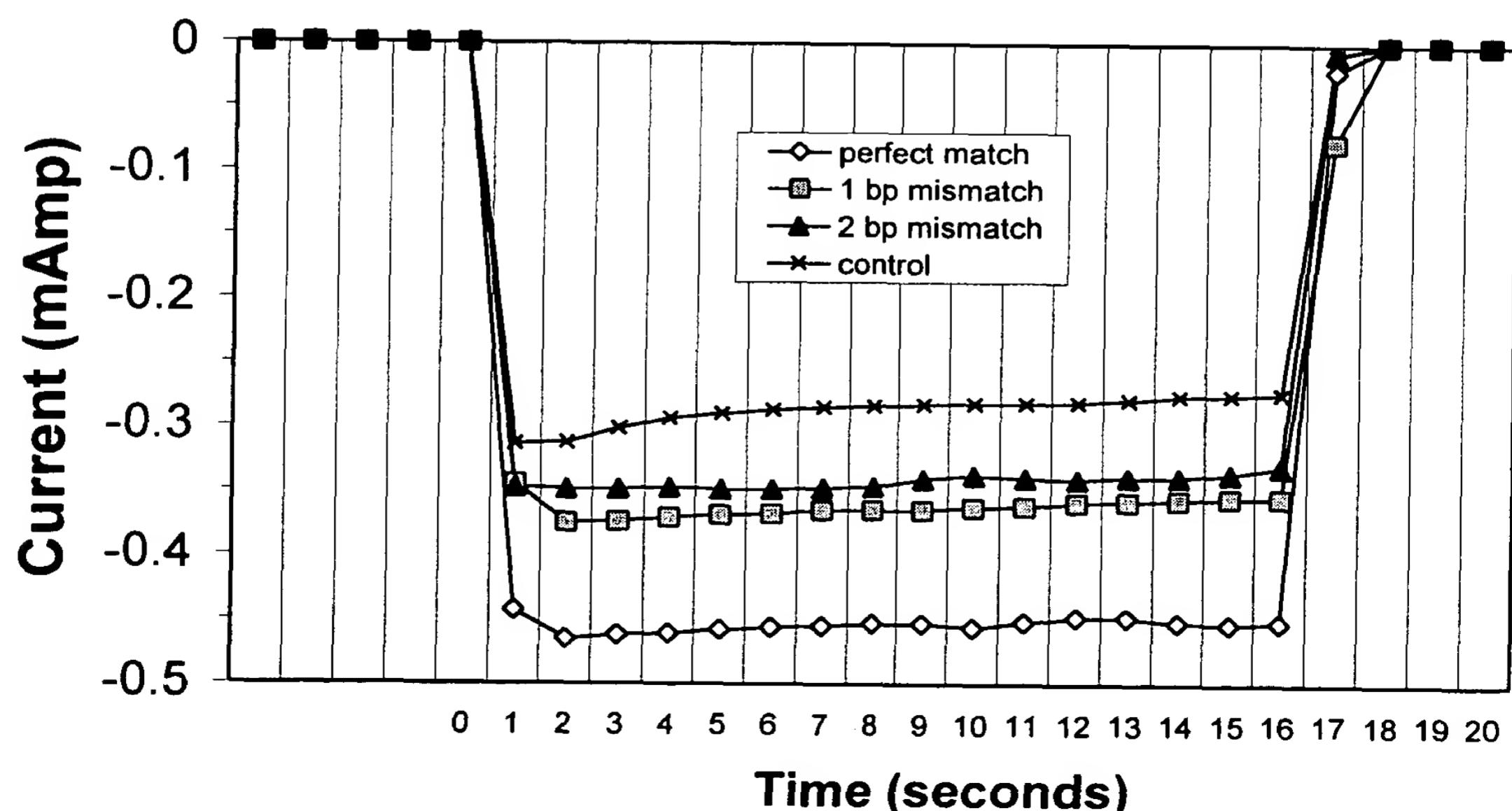


Figure 1C (1V; antiparallel PNA probe)

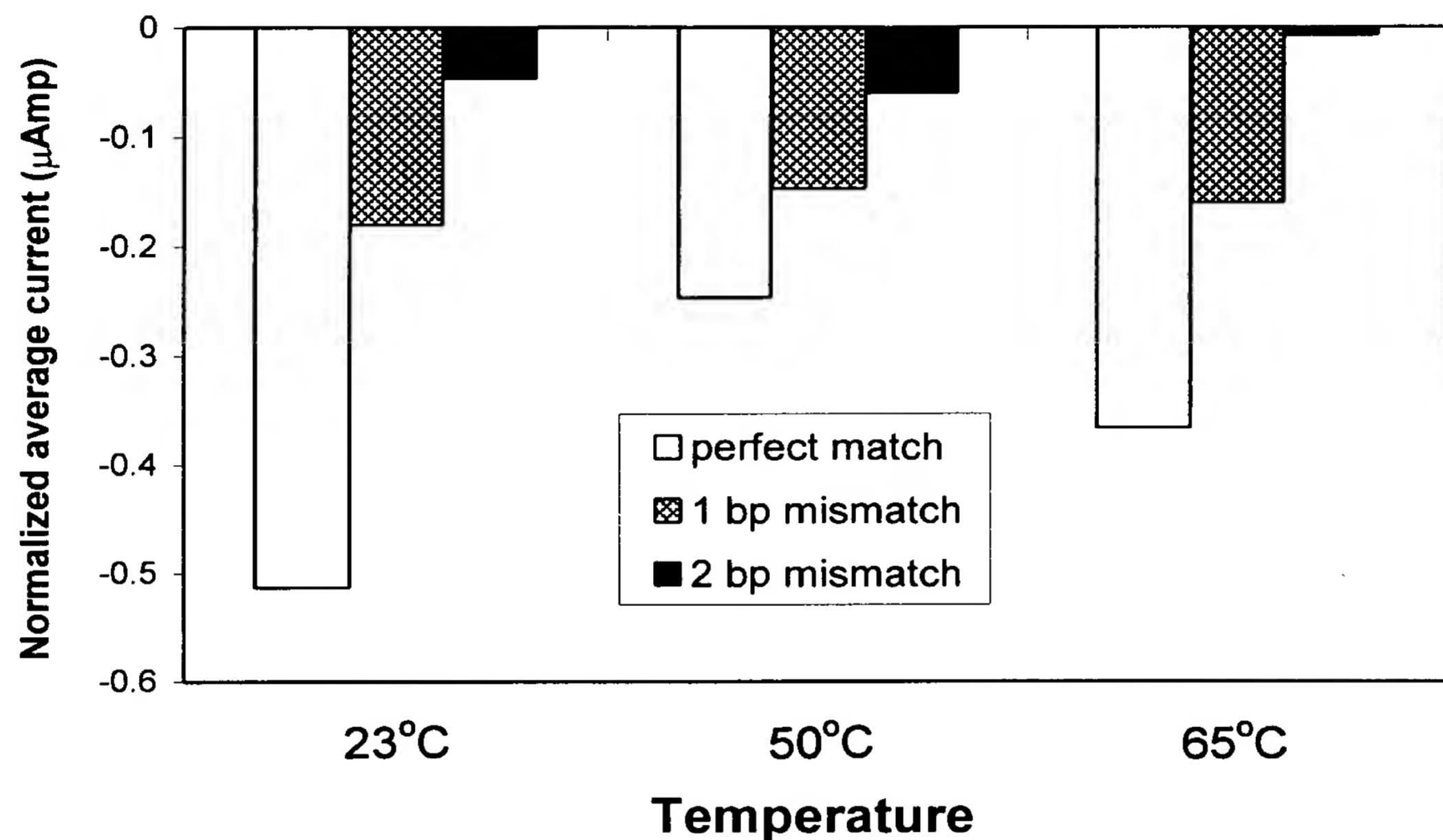
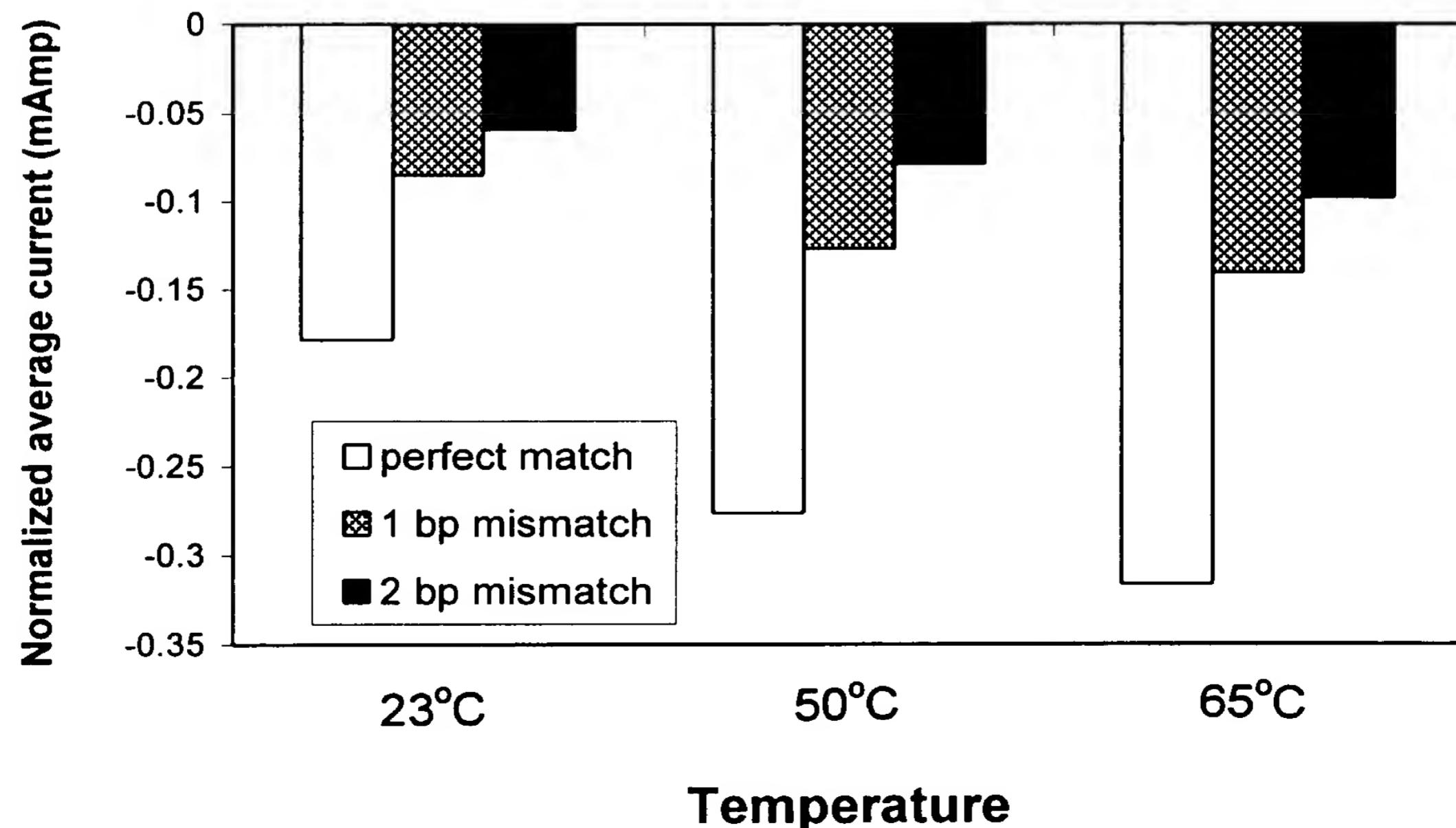


Figure 1D (5V; antiparallel PNA probe)



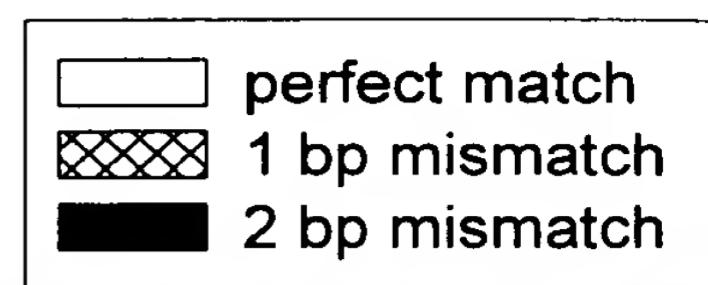


Figure 2A (1V; parallel PNA probe)

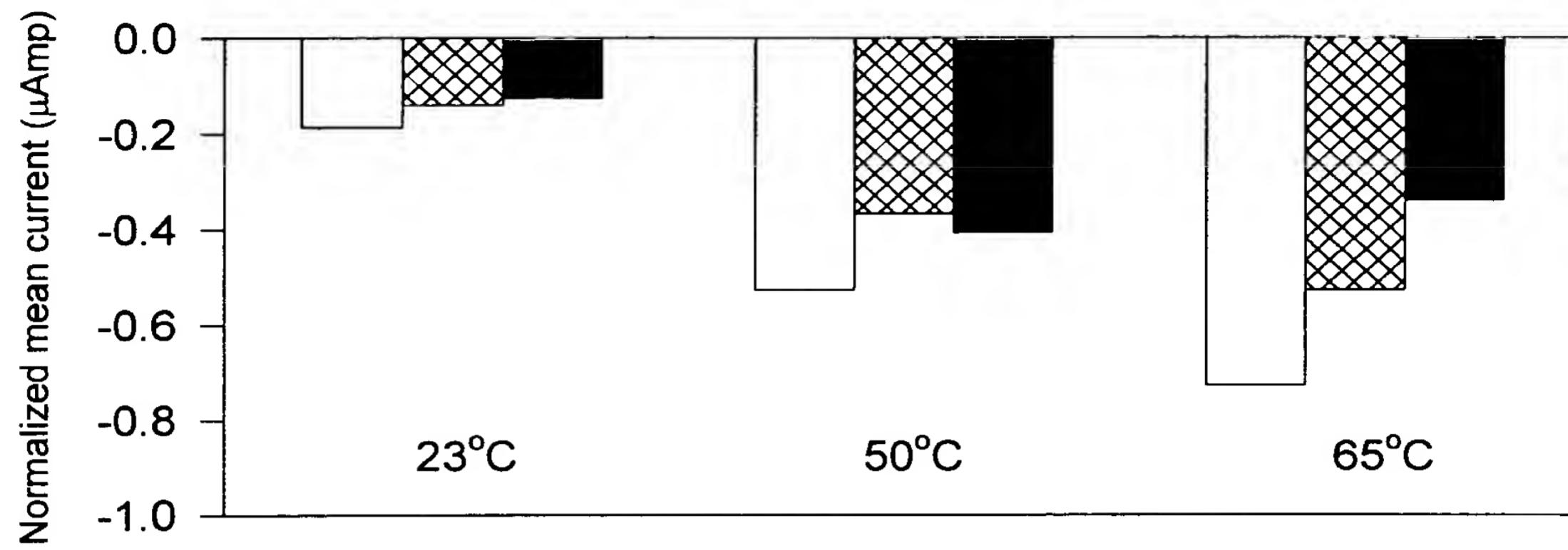


Figure 2B (5V; parallel PNA probe)

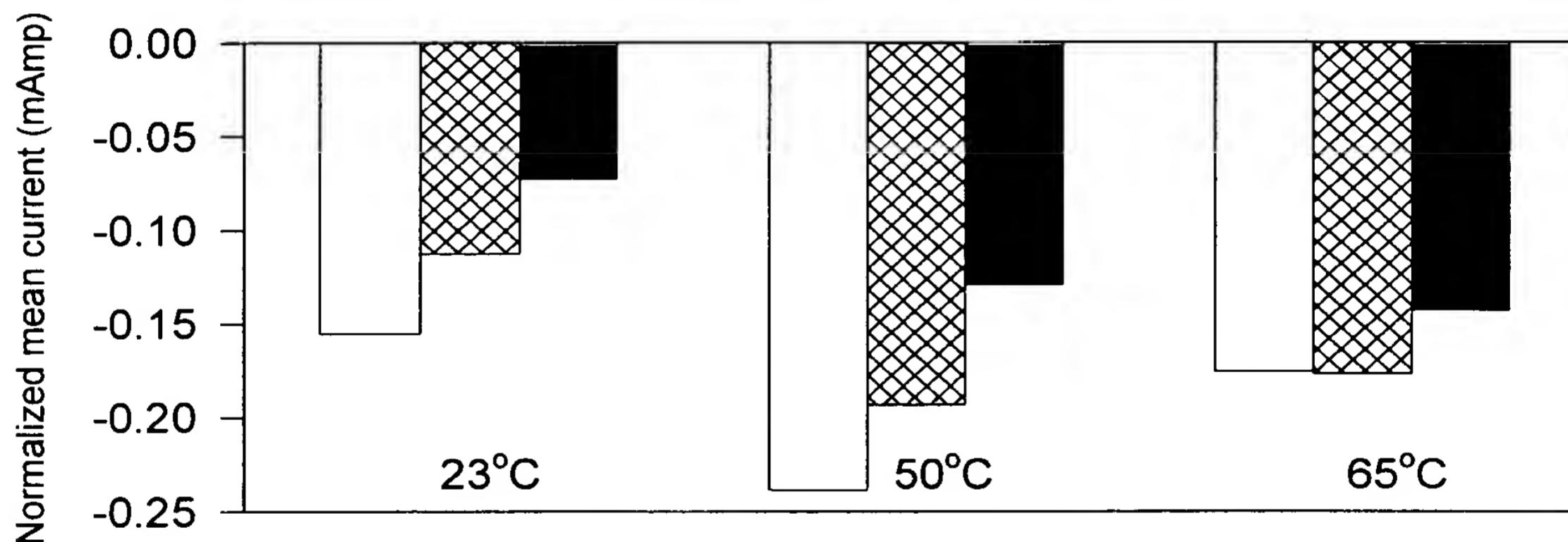
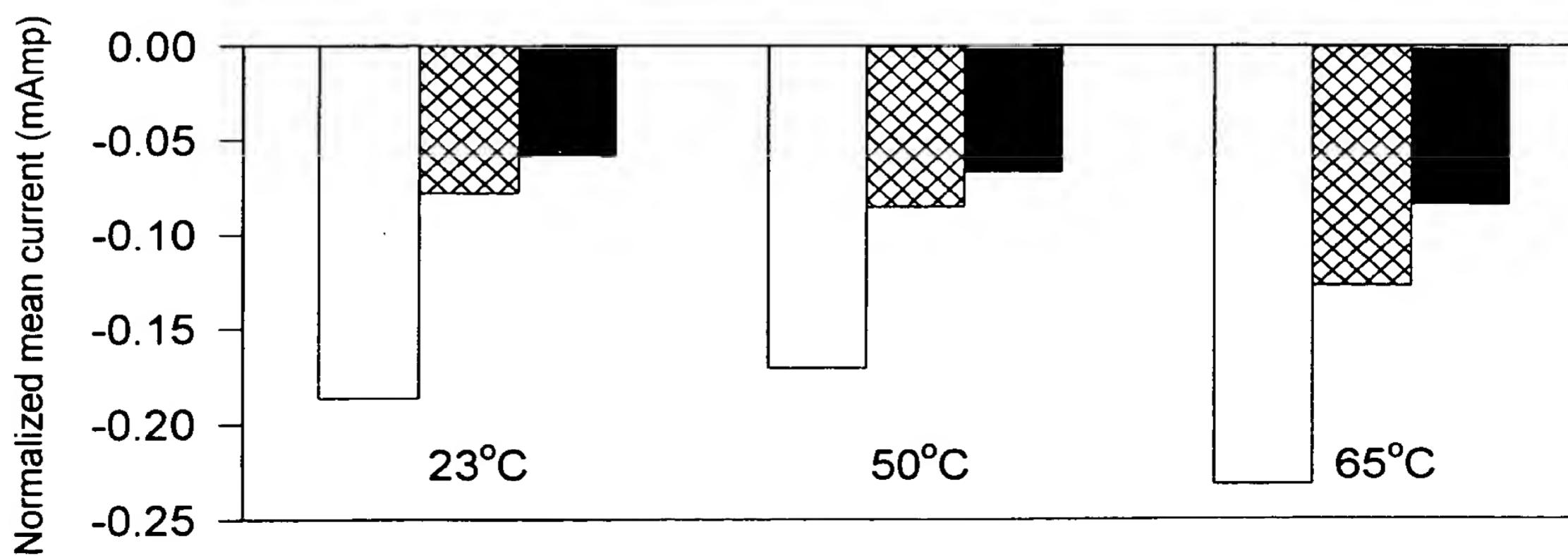


Figure 2C (5V; parallel PNA probe; 65°C treatment)



10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵ 10⁻⁶ 10⁻⁷ 10⁻⁸ 10⁻⁹ 10⁻¹⁰

Figure 3A (1V; antiparallel DNA probe)

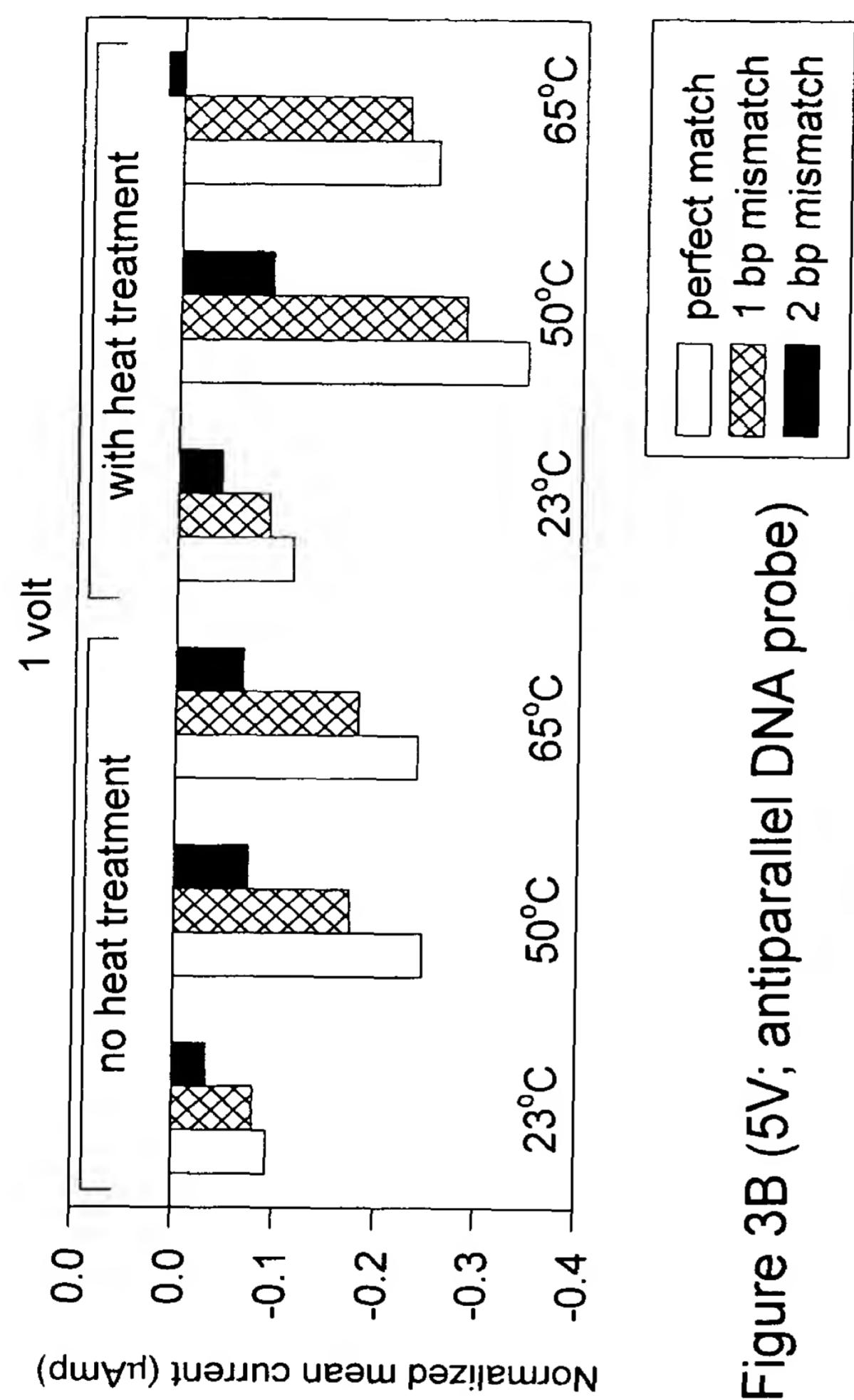


Figure 3B (5V; antiparallel DNA probe)

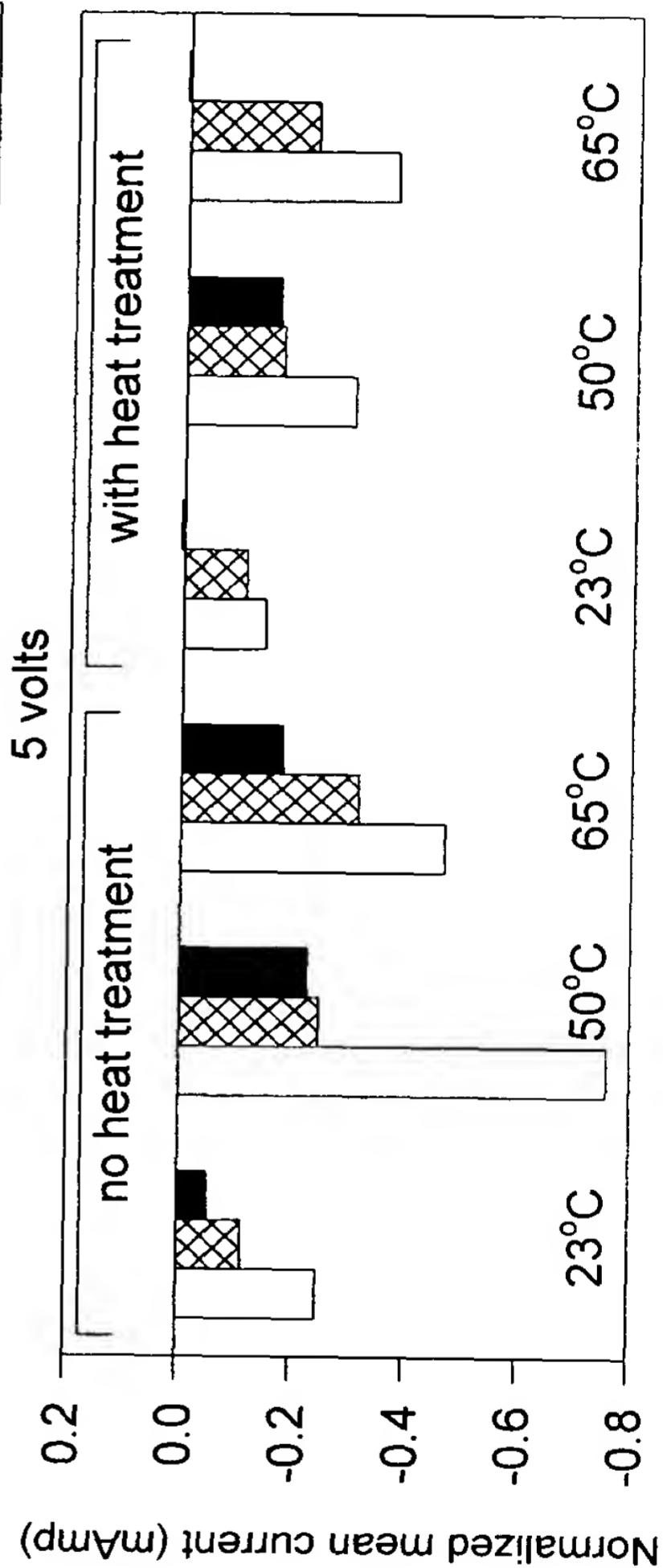


Figure 4 (5V; DNA probe with attached acridine)

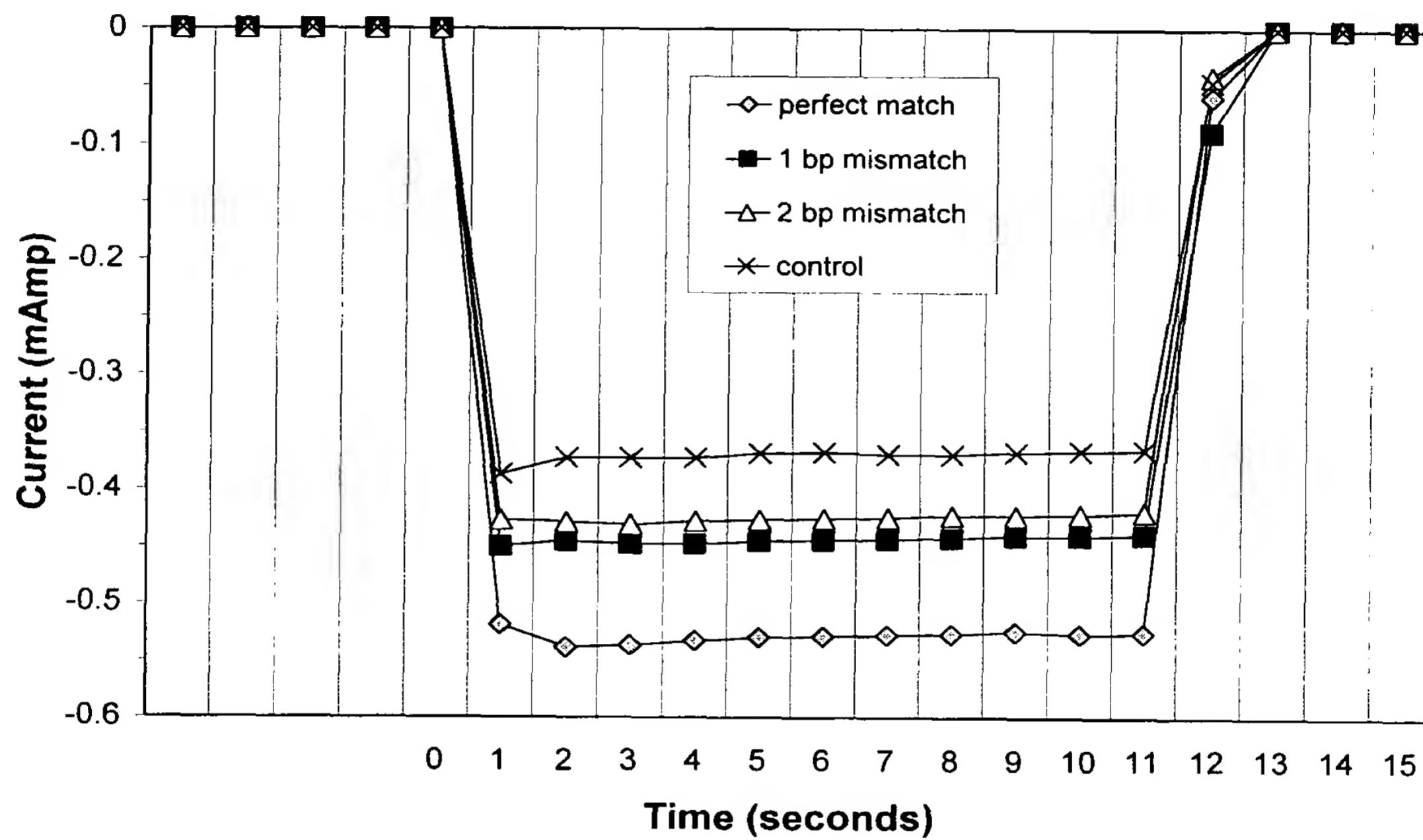


Figure 5A (PNA:DNA perfect match; 65°C)

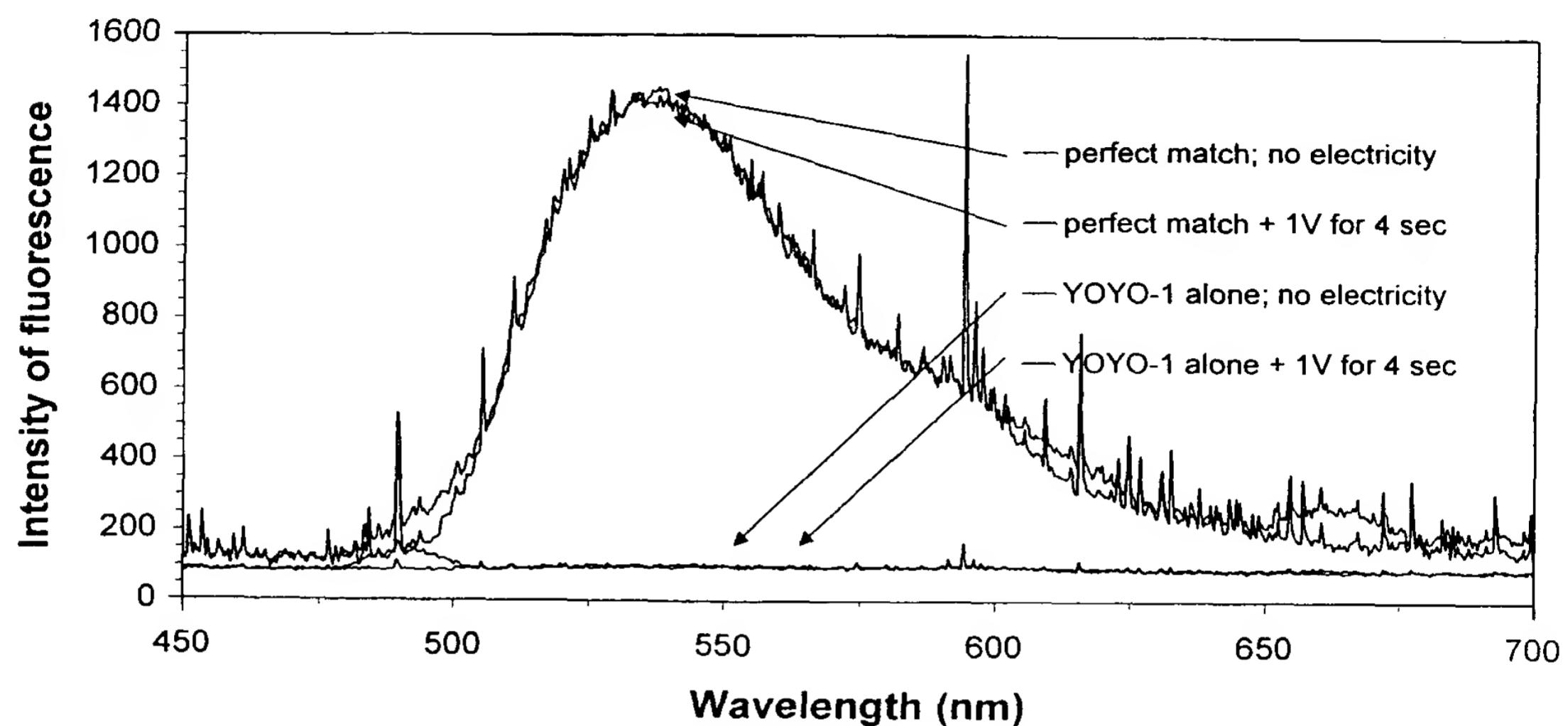


Figure 5B (PNA:DNA 1bp mismatch; 65°C)

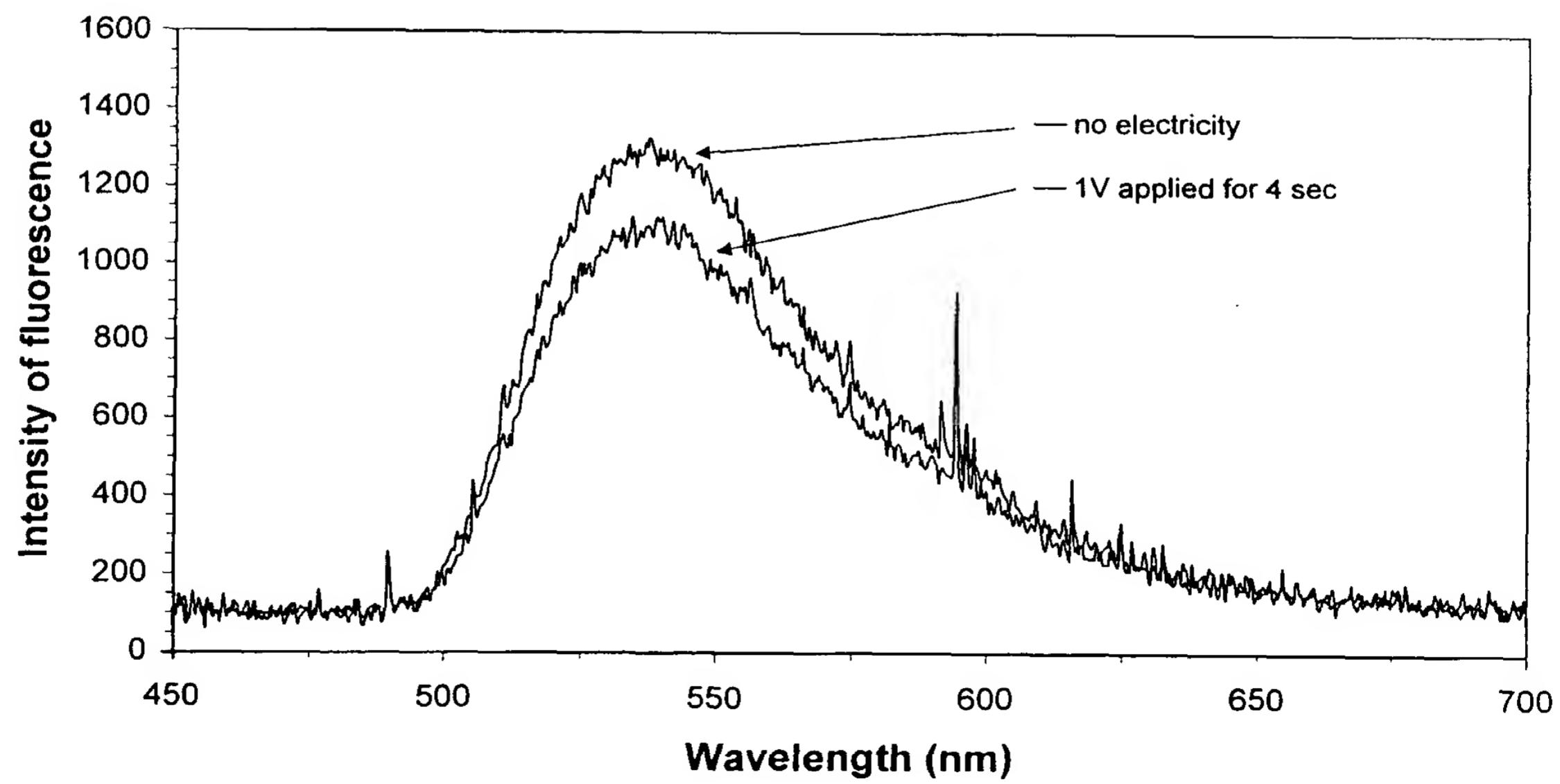


Figure 5C (PNA:DNA 2bp mismatch; 65°C)

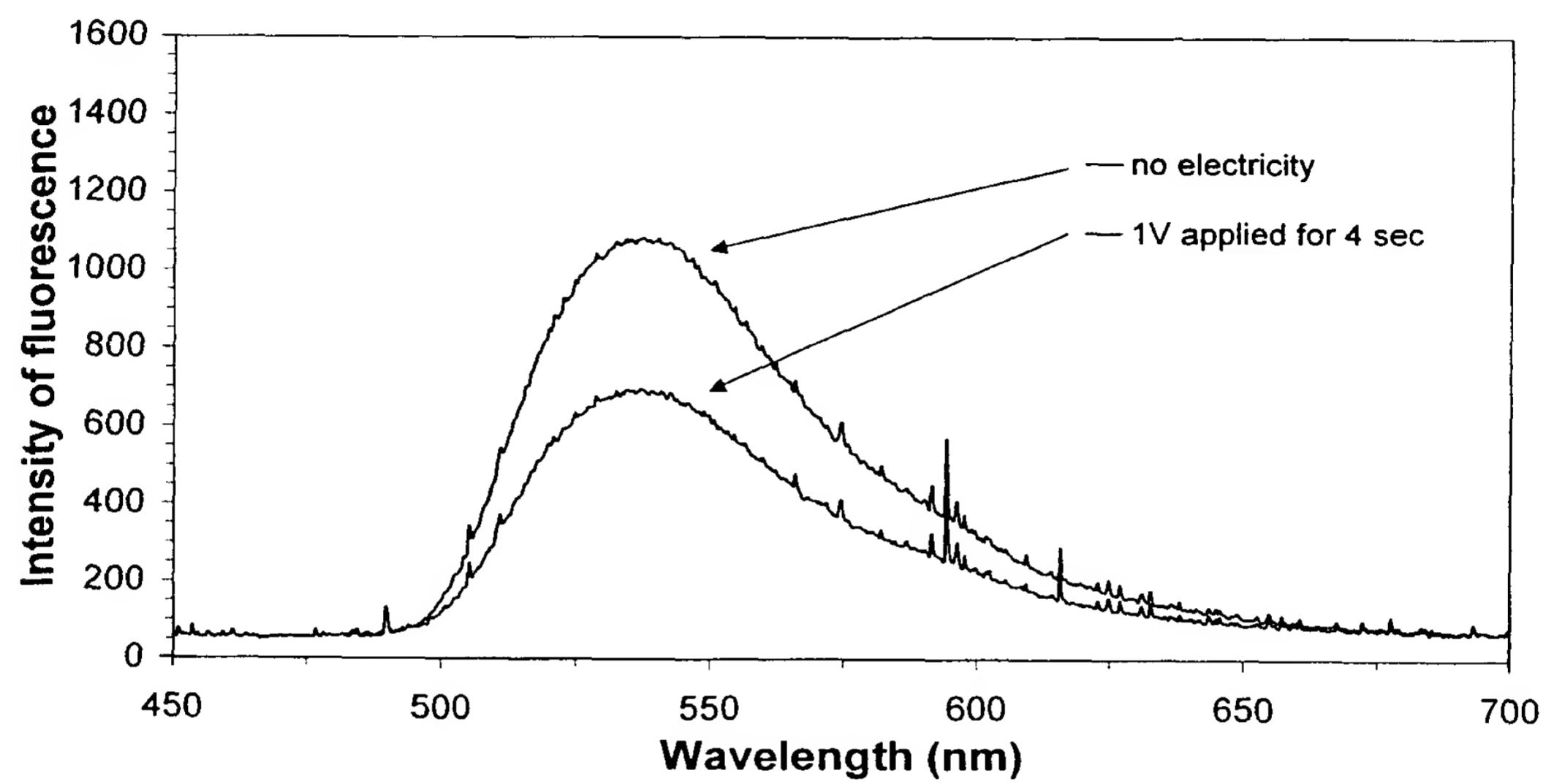


Figure 6. ssPNA:dsDNA hybridization at 23°C without prior denaturation

